

## DAFTAR PUSTAKA

- Ackers, R.G. and D. Moss. 2007. *Sponges of The British Isles ("Sponge V")*. S.M.K. Stone and C.C. Morrow (eds). Marine Conservation Society. Pp 165. Diakses dari <http://www.mcsuk.org/> pada tanggal 19 November 2009.
- Aguilar, M.I. and M.T.W. Hearn. 1996. High Resolution Reversed Phase High Performance Liquid Chromatography of Peptides and Protein. *Meth. Enzymol.* 270: 3-26.
- Aguilar, M.I.. 2008. Reversed-Phase High-Performance Liquid Chromatography. Pp 9-22 In: *HPLC of Peptides and Proteins: Methods and Protocols*. M.I. Aguilar (ed). Springer-Verlag. New York. Pp 395.
- Ahmadi, P.. 2010. Isolasi dan Karakterisasi Senyawa Antioksidan Alkaloid dari Sponga Perairan Teluk Kupang, Nusa Tenggara Timur. (*Skripsi*). Universitas Lampung. Bandar Lampung. 64 hlm.
- Alexander, M.. 1977. *Introduction of Soil Microbiology*. John Willey and Sons Inc. New York. Pp 50-55.
- Amir, I. dan A. Budiyanto. 1996. Mengenal Spons Laut (Demospongiae) Secara Umum. *Oseana*. 21: 15-31.
- Amouretti, X.. 2006. Impact of HTS on Multidetector Microplate Readers and Benefits For Life Science Research Laboratories. *American Biotechnology Laboratory*. Diakses dari <http://www.biotek.com/resources/docs/ABL-Amouretti-Reprint.pdf> pada 19 Desember 2010.
- Antolovich, M., P.D. Prenzler, E. Patsalides, S. McDonald, and K. Robards. 2002. Methods for Testing Antioxidant Activity. *Analyst*. 127: 183–198.

- Atlas, R.M.. 1995. *Microorganism In Our World*. Mosby-Year Book Inc. St. Louis, USA. Pp 501-529.
- Berdy, J.E.. 2005. Bioactive Microbial Metabolites. *J. Antibiot.* 58: 1-26.
- Chin, Y.W., M.J. Balunas, H.B. Chai, and A.D. Kinghorn. 2006. Drug Discovery From Natural Sources. *The AAPS Journal.* 8: 239-253.
- Das, S., P.S. Lyla, and S.A. Khan. 2006. Marine Microbial Diversity and Ecology: Importance and Future Perspectives. *Current Science.* 90: 1325-1335.
- Donaldson, S.. 2004. Nutrition and Cancer: A Review of the Evidence of an Anti-Cancer Diet. *Nutrition Journal.* 3: 19.
- Erickson, K.L., J.A. Beutler, J.H. Cardellina, and M.R. Boyd. 1997. Salicylhalamides A and B, Novel Cytotoxic Macrolides from the Marine Sponge *Haliclona* sp.. *J. Organic chemistry.* 62: 8188-8192.
- Faulkner, D.J.. 2000. Marine Natural Product. *Natural Product Reports.* 18: 1-49.
- Ghisalberti, E.L.. 2008. Detection and Isolation of Bioactive Natural Products In: *Bioactive Natural Products, 2<sup>nd</sup> Edition.* S.M. Colegate and R.J. Molyneux (eds). CRC Press. USA. Pp 622.
- Gorajana, A., B.V.V.S.N. Kurada, S. Peela, P. Jangam, S. Vinjamuri, E. Poluri, and A. Zeeck. 2005. 1-Hydroxy-1norresistomycin, A New Cytotoxic Compound from a Marine Actinomycete, *Streptomyces Chibaensis* AUBN1/7. *J. Antibiot.* 58: 526-529.
- Gupte, S.. 1990. *Mikrobiologi Dasar*. Alih bahasa oleh J.E. Suryawidjaja. Binarupa Aksara. Jakarta. Hlm 5-20.
- Haraguchi, H.. 2008. Antioxidative Plant Constituents. Pp 337-378 In: *Bioactive Compounds From Natural Sources.* C. Tringali (Ed). Taylor & Francis Inc. New York. Pp 704.

- Harborne, J.B.. 1984. *Metode Fitokimia: Penentuan Cara Modern Menganalisis Tumbuhan*. Alih bahasa oleh K. Padmawinata dan I. Soediro. Penerbit ITB. Bandung. 354 hlm.
- Hennekens, C.H. and J.M. Gaziano. 1993. Antioxidant and Heart Disease: Epidemiology and Clinical Evidence. *Clin. Cardiol.* 16: 1-12.
- Holt, J.G., N.R. Krieg, P.H.A. Sneath, J.T. Staley, S.T. Williams. 2000. *Bergey's Manual of Determinative Bacteriology*, 9<sup>th</sup> Edition. Lippincott Williams & Wilikns. Philadelphia. Pp 787
- Hostettman, K., M. Hostettman, dan A. Marston. 1995. *Cara Kromatografi Preparatif*. Alih bahasa oleh K. Padmawinata. Penerbit ITB. Bandung. Hlm 1-38.
- Jensen, P.R., R. Dwight, and W. Fenical. 1991. Distribution of Actinomycetes in Near-Shore Tropical Marine Sediments. *Appl. Environ. Microbiol.* 57: 1102-1108.
- Jensen, P.R., Tracy J.M., and W. Fenical. 2003. *The True Potential of the Marine Microorganisms*. Diakses dari <http://www.currentdrugdiscovery.com/> pada 10 Oktober 2010.
- Jensen, P.R., P.G. Williams, D.C. Oh, L. Zeigler, and W. Fenical. 2006. Species-Specific Secondary Metabolite Production in Marine Actinomycetes of The Genus *Salinispora*. *Appl. Environ. Microbiol.* 73: 1146-1152.
- Johnson, E.L. dan R. Stevenson. 1991. *Dasar Kromatografi Cair*. Diterjemahkan oleh K. Padmawinata. Penerbit ITB. Bandung. Hlm 50-55.
- Khopkar, S.M.. 2002. *Konsep Dasar Kimia Analitik*. Alih bahasa oleh A. Saptorahardjo. Penerbit Universitas Indonesia. Jakarta. Hlm 84-311.
- Kumar, S.S., R. Philip, and C.T. Achuthankutty. 2006. Antiviral Property of Marine Actinomycetes Against White Spot Syndrome Virus in Penaeid Shrimps. *Current Science.* 91: 807-811.
- Lam, K.S.. 2006. Discovery of novel metabolites from marine actinomycetes. *Current Opinion in Microbiology.* 9: 245-251

- Lee, Y.K., J.H. Lee, and H.K. Lee. 2001. Microbial Symbiosis in Marine Sponges. *J. Microbiol.* 39: 254-264.
- Liu, R., T. Zhu, D. Li, J. Gu, W. Xia, Y. Fang, H. Liu, W. Zhu, and Q. Gu. 2007. Two Indolocarbazole Alkaloids with Apoptosis Activity from a Marine-Derived Actinomycete Z2039-2. *Arch. Pharm. Res.* 30: 270-274.
- Magarvey, N.A., J.M. Keller, V. Bernan, M. Dworkin, and D.H. Sherman. 2004. Isolation and Characterization of Novel Marine-Derived Actinomycete Taxa Rich in Bioactive Metabolites. *Appl. Environ. Microbiol.* 70: 7520-7529.
- Mahyudin, N.A.. 2008. Actinomycetes and Fungi Associated With Marine Invertebrates: A Potential Source of Bioactive Compounds. (Thesis). University of Canterbury. New Zealand. Pp 215.
- Mant, C.T. and R.S. Hodges. 1996. Analysis of Peptides by High Performance Liquid Chromatography. *Meth. Enzymol.* 271: 3-50.
- Marxen, K., K.H. Vanselow, S. Lippemeier, R. Hintze, A. Ruser and U. Hansen. 2007. Determination of DPPH Radical Oxidation Caused by Methanolic Extracts of Some Microalgal Species by Linear Regression Analysis of Spectrophotometric Measurements. *Sensors.* 7: 2080-2095.
- McCalley, D.V.. 2002. Review: Analysis of the *Cinchona* Alkaloids by High Performance Liquid Chromatography and Other Separation Techniques. *J. of Chromatography A.* 967: 1-19.
- Mirfan, R.. 2010. Isolasi dan Identifikasi Senyawa Alkaloid dari Aktinomisetes yang Berasosiasi dengan Sponga. (Skripsi). Universitas Lampung. Bandar Lampung. 69 hlm.
- Mohamad, H., F. Abas, D. Permana, N.H. Lajis, A.M. Ali, M.A. Sukari, Y. Taufiq, Y. Hin, H. Kikuzaki, and N. Nakatani. 2004. DPPH Free Radical Scavenger Components from the Fruits of *Alpinia rafflesiana* Wall. ex. Bak. (Zingiberaceae). *Z. Naturforsch.* 59: 811-815.
- Molyneux, P.. 2004. The Use Of The Stable Free Radical Diphenylpicrylhydrazyl (DPPH) For Estimating Antioxidant Activity. *Songklanakarinn J. Sci. Technol.* 26: 211-219.

- Onaka, H.. 2006. Biosynthesis of Heterocyclic Antibiotics in Actinomycetes and an Approach To Synthesize The Natural Compounds. *Actinomycetologica*. 20: 62–71.
- Parungao, M.M., E.B.G. Maceda, and M.A.F.Villano. 2007. Screening of Antibiotic-Producing Actinomycetes from Marine, Brackish and Terrestrial Sediments of Samal Island, Philippines. *Journal of Research in Science, Computing, and Engineering*. 4: 29-38.
- Peraud, O.. 2006. Isolation and Characterization of a Sponge-Associated Actinomycete That Produces Manzamines. (*Dissertation*). University of Maryland. Utah. Pp 1-38.
- Percival, M.. 1998. Antioxidants. *Clinical Nutrition Insights*. Diakses dari <http://www.acudoc.com/> pada 1 Desember 2009.
- Prakash, A., F.Rigelhof, and E.Miller. 2001. Antioxidant Activity. J. DeVries (ed). *Medallion Labs*. Diakses dari [www.medalionlab.com](http://www.medalionlab.com) pada 1 Desember 2009.
- Proksch, P.. 1994. Defensive Roles for Secondary Metabolites from Marine Sponges and Sponge-Feeding Nudibranchs. *Toxicon*. 32: 639-655.
- Putri, A.P. dan I. Atmosukarto. 2006. Mikroba Endofit: Sumber Molekul Acuan Baru yang Berpotensi. *Majalah Biotrends*. 1(2): 13-15.
- Rahman, A. and M.I. Choudhary. 2001. Bioactive Natural Products a Potential of Pharmacophores. A Theory of Memory. *Pure Appl. Chem*. 73: 555-560.
- Rawat, M. and Y. Av-Gay. 2007. *Mycothiol-Dependent Proteins in Actinomycetes*. Pp 278-292. Diakses dari <http://www.blackwellpublishing.com/> pada 1 Desember 2010.
- Silverstein, R.M., F.X, Webster, and D.J. Kiemle. 2005. *Spectrometric Identification of Organic Compound*, 7<sup>th</sup> Edition. John Willey and Sons Inc.. New York. Pp 71-160.
- Sjogren, M.. 2006. Bioactive Compounds from the Marine Sponge *Geodia barretti*. (*Dissertations*). Universitatis Upsaliensis. Uppsala. Pp 56.

- Spainhour, C.B.. 2005. Natural Products. In: *Drug Discovery Handbook*. John & Sons Inc.. New York. Pp 11-72.
- Subbarao, N.S.. 1994. *Mikroorganisme Tanah dan Pertumbuhan Tanaman*, Edisi ke-2. UI Pres. Jakarta. Hlm 38-40.
- Svehla, G.. 1985. *Analisis Anorganik Kualitatif Makro dan Semimikro* Jilid 1, Edisi kelima. Alih bahasa oleh A.H Pudjaatmaka. Penerbit Kalman Media Pustaka. Jakarta. Hlm 139-140.
- Van Soest, R.W.M., N. Boury-Esnault, J.N.A. Hooper, K. Rützler, N.J. de Voogd, B. A. de Glasby, E. Hajdu, A.B. Pisera, R. Manconi, C. Schoenberg, D. Janussen, K.R. Tabachnick, M. Klautau, B. Picton, M. Kelly. 2010. *World Porifera Database*. Diakses dari <http://www.marinespecies.org/porifera/> pada 12 Desember 2010.
- Volk, W.A., and M.F. Wheeler. 1993. *Mikrobiologi Dasar* Jilid 1, Edisi kelima. Penerjemah Markham. Penerbit Erlangga. Jakarta. 396 hal.
- Waksman, S.A., and M. Tishler. 1941. The Chemical Nature of Actinomycin, an Anti-microbial Substance Produced by *Actinomyces antibioticus*. *J. of Biological Chemistry* Diakses dari <http://www.jbc.org/> pada 23 November 2010.
- Wilkinson, C.R. and R. Garrone. 1980. *Nutrition in Marine Sponges. Involvement of Symbiotic Bacteria in The Uptake of Dissolved Carbon. Nutrition in The Lower Metazoa*. Pergamon Press. Oxford. Pp 157-161.
- Williams, S.T., M.E. Sharpe, and J.G. Holt. 1989. *Bergey's Manual of Systematic Bacteriology*. Williams and Wilkins Co.. Baltimore.
- Wu, R.Y., and M.H. Chen. 1995. Identification of the *Streptomyces* strain KS3-5. *Bot. Bull. Acad. Sin.* 36: 201-205.
- Zhao, H., Y. Kassama, M. Young, D.B. Kell, and R. Goodacre. 2004. Differentiation of *Micromonospora* Isolates from a Coastal Sediment in Wales on the Basis of Fourier Transform Infrared Spectroscopy, 16S rRNA Sequence Analysis, and the Amplified Fragment Length Polymorphism Technique. *Appl. Environ. Microbiol.* 70: 6619–6627.